

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

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LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

09/23/2011

Mary Szulborski
Assistant District Attorney, Suffolk County

Dear ADA Szulborski,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Peter Piro.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples# [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Peter Piro was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,
A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Peter Piro

EDUCATION

Boston University

B.A. in Chemistry and Minor in Biology, 1989

HONORS

Magna Cum Laude, 3.6 GPA

Graduated with Distinction in Chemistry

Valedictorian of the Chemistry Department

EXPERIENCE

Department of Public Health/State Laboratory Institute

Chemist III, II, I/ Assistant Analyst December 1991-Present

Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Analyze controlled substances for State and Federal law enforcement agencies. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

Massachusetts Health Research Institute

Laboratory Technician September 1990-December 1991

Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank.

TRAINING AND ORGANIZATIONS

* Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.

* Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.

* Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27th 1995.

* Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.

* Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25th 2002, at Agilent Technologies.

* Notary Public since 1993.



DRUG RECEIPT

CC # _____
BOOK # 30
PAGE # 136
DESTRUCTION # _____

District/Unit A-7 / DCU

Name & Rank of Arresting Officer P.O. Frank Colon ID# 9344

To be completed by ECU personnel only

Name and Rank of Submitting Officer J. Lane Cpl ID# 1370

Received by DGP Date 3-3-1

Received by _____ Date _____

ECU Control # _____

No. [REDACTED]

Date Analyzed: 3-21-11

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 03/03/2011

No. Analyzed:

Gross Wt.: 66.93

Net Weight: 61.7

Tests: 6ASQ
• 2 P.P.RD

Prelim: cocaine

Findings: cocaine

No. [REDACTED]
Date Analyzed: 3-21-11
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

Amount:
No. Cont: 8 Cont: pb

Subst: SUB

Date Rec'd: 03/03/2011
Gross Wt.: 9.63

No. [REDACTED]
Date Analyzed: 3-21-11
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

Amount:
No. Cont: 1 Cont: pb

Subst: SUB

Date Rec'd: 03/03/2011

No. Analyzed:

Gross Wt.: 35.84

Net Weight: 30.7

Tests: 6ASQ
• 2 P.P.RD

Prelim: cocaine

Findings: cocaine

No. [REDACTED]
Date Analyzed: 3-21-11
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

No. Analyzed: 1
Net Weight: 0.76
Tests: 6ASQ
• 2 P.P.RD

No. [REDACTED]
Date Analyzed: 3-21-11
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

Amount:
No. Cont: 1 Cont: pb

Subst: SUB

Date Rec'd: 03/03/2011

No. Analyzed:

Gross Wt.: 20.36

Net Weight: 15.6

Tests: 6ASQ
• 2 P.P.RD

Prelim: cocaine

Findings: cocaine

Prelim: cocaine

Findings: cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST AS

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (): 63.1

White powdered substance
17.8g

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 61.7

net wt = 61.6

Mettler AB104 1117132502 ✓

Ohaus 3400-A5D
N.D. 1125493269 ✓

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (+) _____

Microcrystalline Tests

Gold Chloride + _____

Marquis - _____

TLTA (+) _____

Froehde's - _____

OTHER TESTS

Mecke's - _____

PRELIMINARY TEST RESULTS

RESULTS Cocaine _____

DATE 3-17-11 _____

GC/MS CONFIRMATORY TEST

RESULTS Cocaine _____

MS OPERATOR PJP _____

DATE 3-21-11 _____

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY BOSTON ANALYST ADJ

No. of samples tested: _____ Evidence Wt: _____

PHYSICAL DESCRIPTION: Gross Wt (): 3.2.0

white powder & smelling
like ps

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 30.7

netwt = 30.6

Mettler AB104 1117132502 /
Ohaus Model 11234493269 -

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (+)

Microcrystalline Tests

Gold Chloride +

Marquis -

TLTA (+)

Froehde's -

OTHER TESTS

Mecke's -

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 3-17-11

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS OPERATOR PJP

DATE 3-21-11

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST AJZ

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (): 16.6

white powdered substance Gross Wt (): _____

17.15 Pkg. Wt: _____

Net Wt: 15.6

netwt = 15.5

Mettler AB104 1117132502 ✓
Oncales 1110 1125493269 ✓

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (+)

Microcrystalline Tests

Gold
Chloride +

Marquis

TLTA (+)

Froehde's

OTHER TESTS

Mecke's

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 3-17-11

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS
OPERATOR PJP

DATE 3-21-11

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST ADT

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (g): 8.1857

white powder & substance Gross Wt (1): 0.8848

in 8 phs Pkg. Wt: _____

double wgt'd Net Wt: 0.7682

Mettler AB104 1117132802

Ohaus NV110 1123493269

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (+)

Microcrystalline Tests

Gold Chloride +

Marquis -

TLTA (+)

Froehde's -

OTHER TESTS

Mecke's -

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 3-17-11

GC/MS CONFIRMATORY TEST

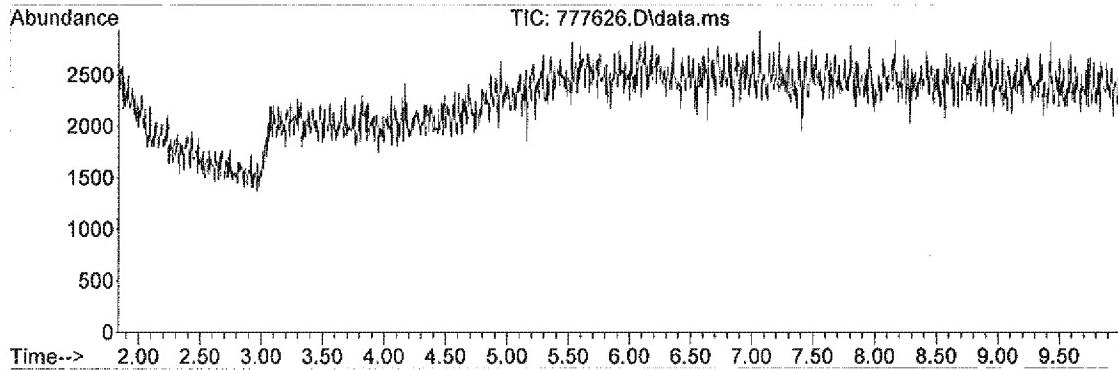
RESULTS cocaine

MS OPERATOR PJP

DATE 3-21-11

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777626.D
Operator : ASD
Date Acquired : 19 Mar 2011 19:45
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



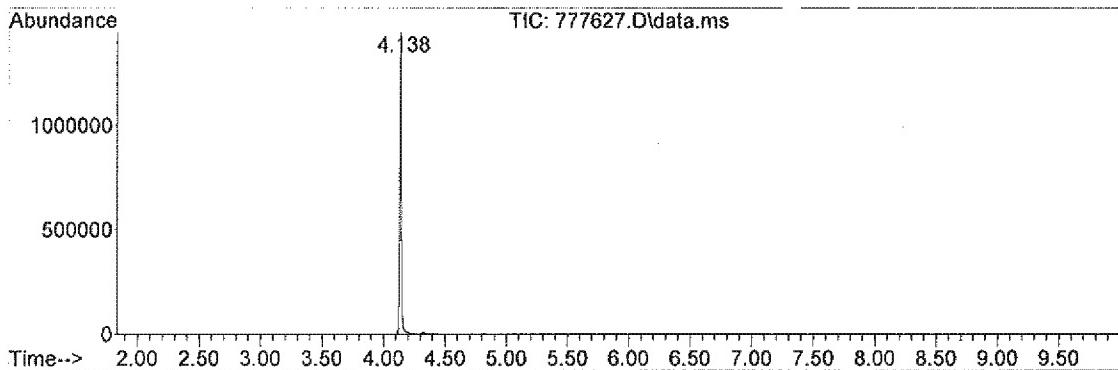
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777627.D
Operator : ASD
Date Acquired : 19 Mar 2011 19:58
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 27
AcquisitionMeth: DRUGS.M
Integrator : RTE



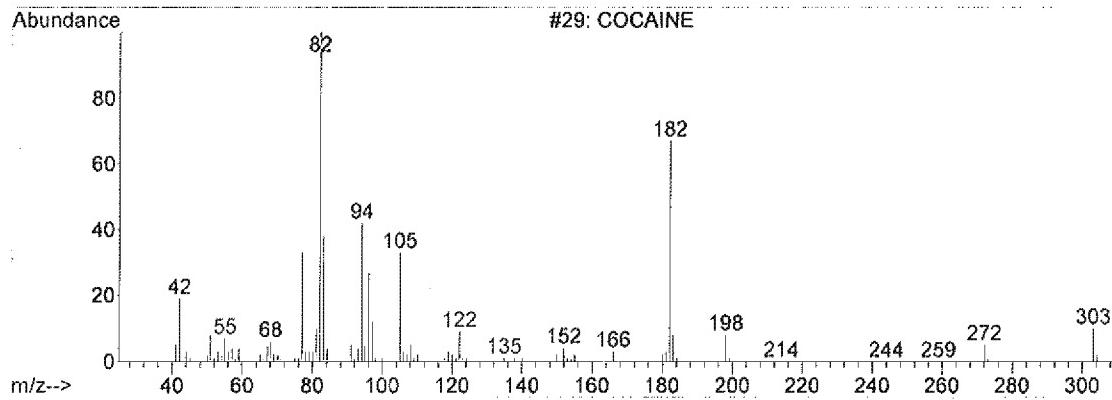
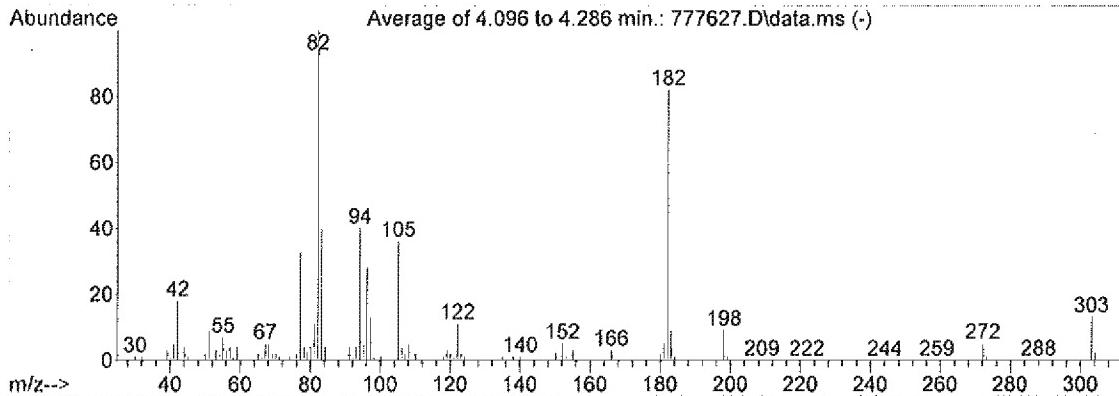
Ret. Time	Area	Area %	Ratio %
4.138	1353311	100.00	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777627.D
Operator : ASD
Date Acquired : 19 Mar 2011 19:58
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 27
AcquisitionMeth: DRUGS.M
Integrator : RTE

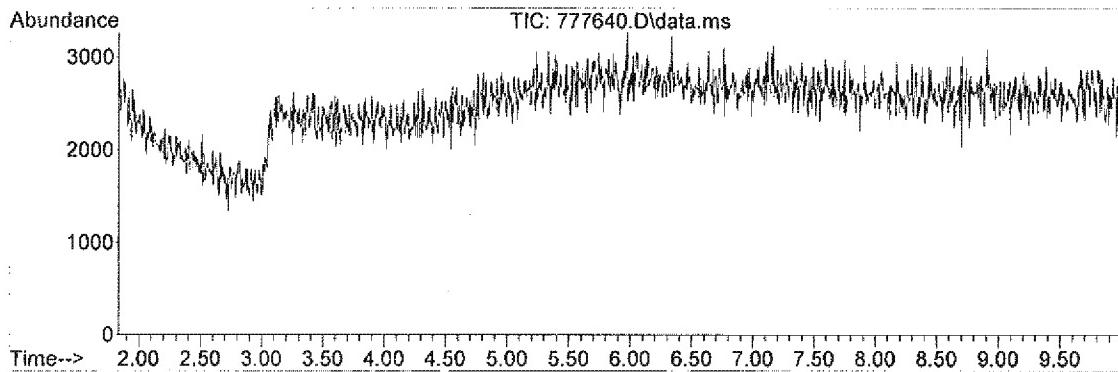
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777640.D
Operator : ASD
Date Acquired : 19 Mar 2011 22:49
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

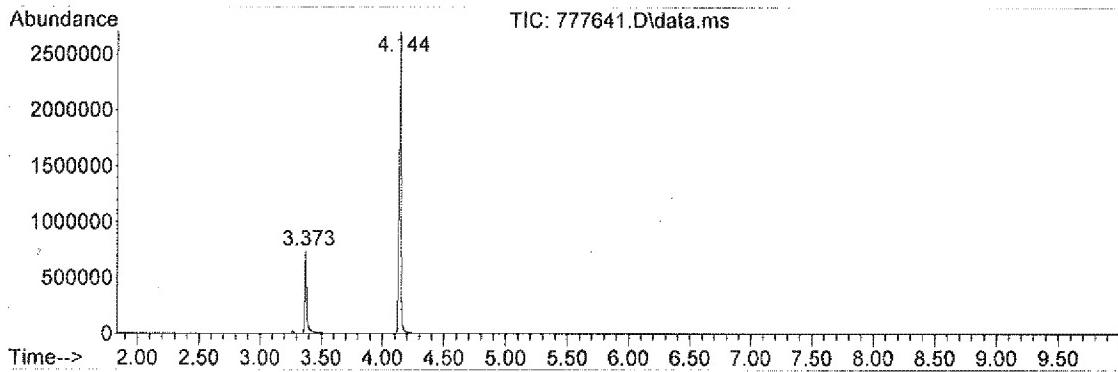


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777641.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:02
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 41
AcquisitionMeth: DRUGS.M
Integrator : RTE



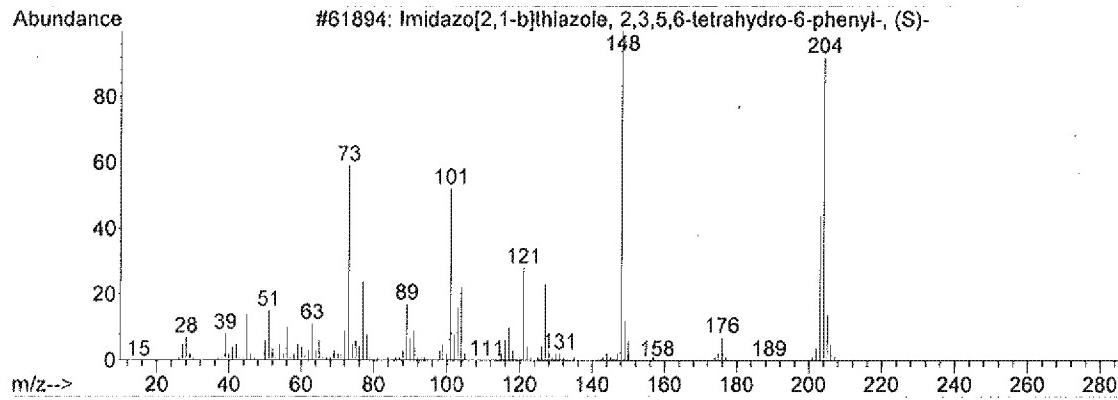
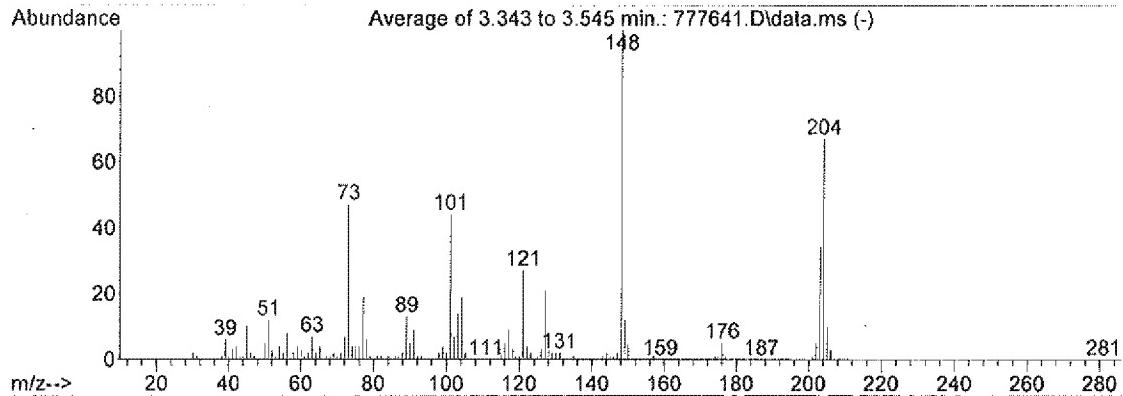
Ret. Time	Area	Area %	Ratio %
3.373	814926	20.50	25.79
4.144	3160338	79.50	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777641.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:02
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 41
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.37	C:\Database\NIST08.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	98

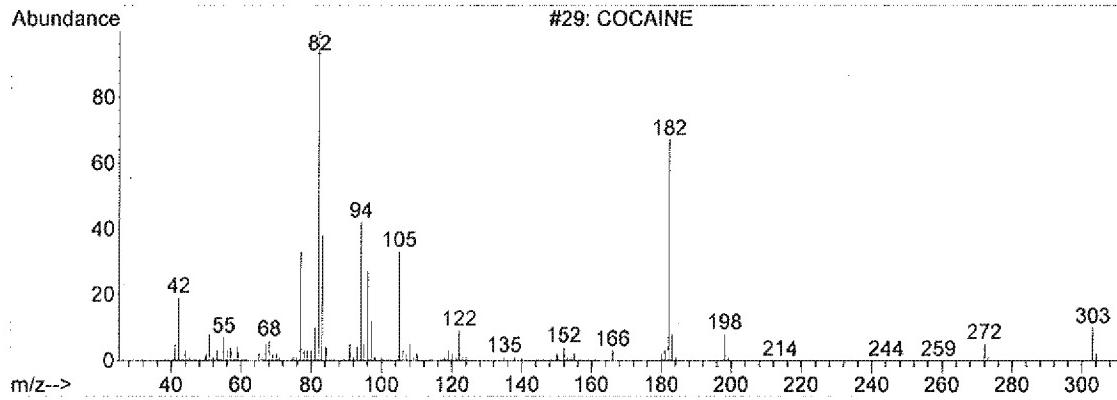
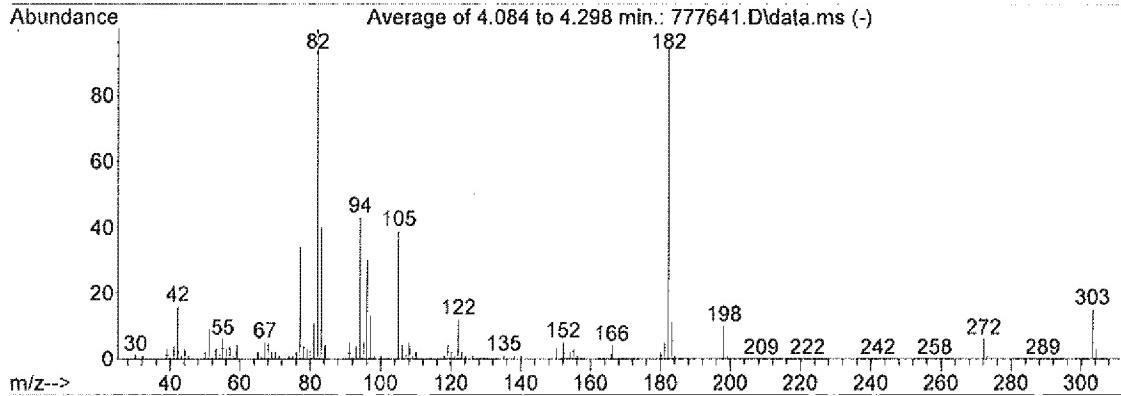


Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777641.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:02
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 41
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

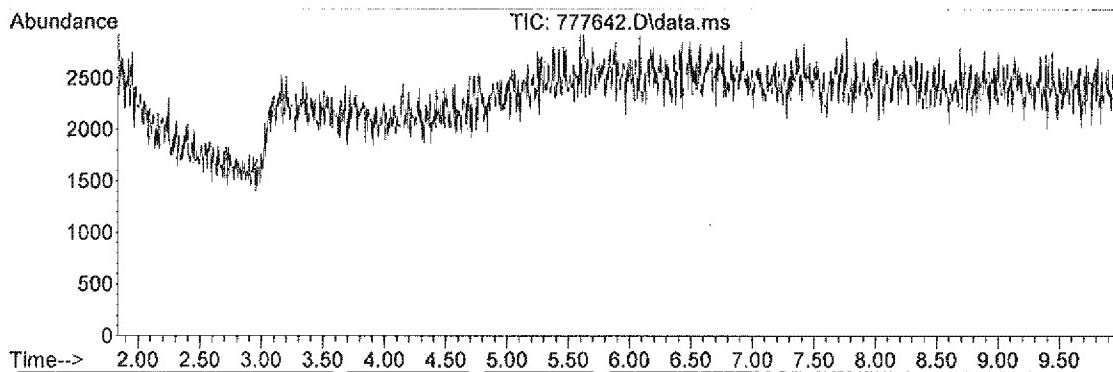
PK#	RT	Library/ID	CAS#	Qual
2	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777642.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:15
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

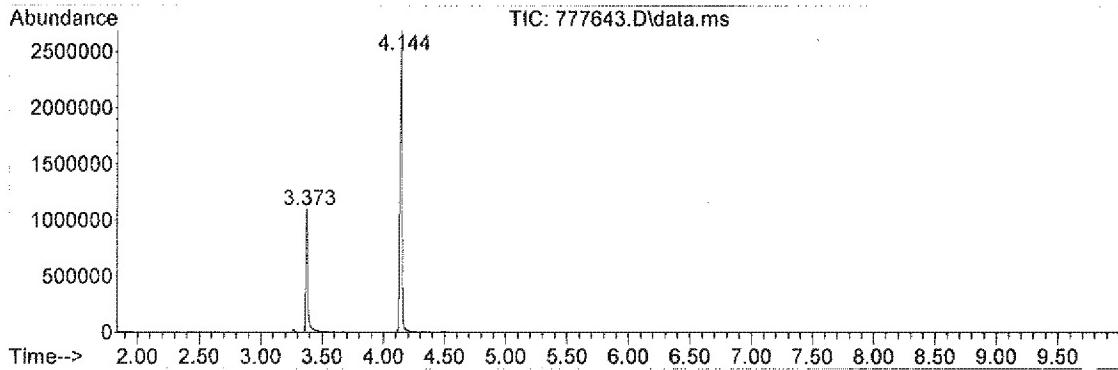


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777643.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 43
AcquisitionMeth: DRUGS.M
Integrator : RTE



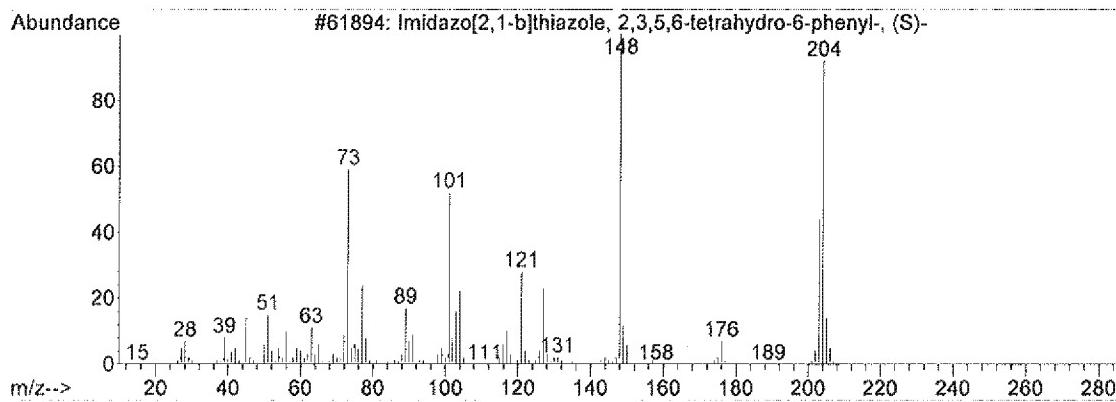
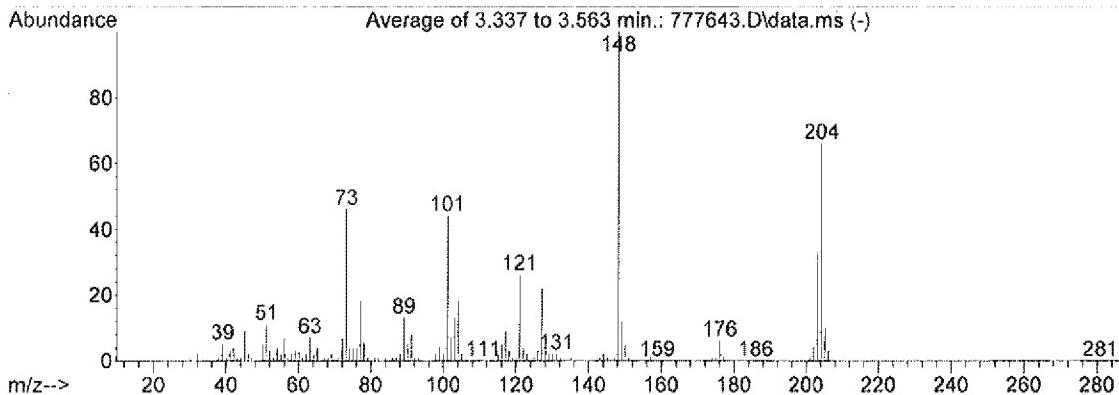
Ret. Time	Area	Area %	Ratio %
3.373	1336400	28.62	40.09
4.144	3333791	71.38	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777643.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 43
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.337	C:\Database\NIST08.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	98

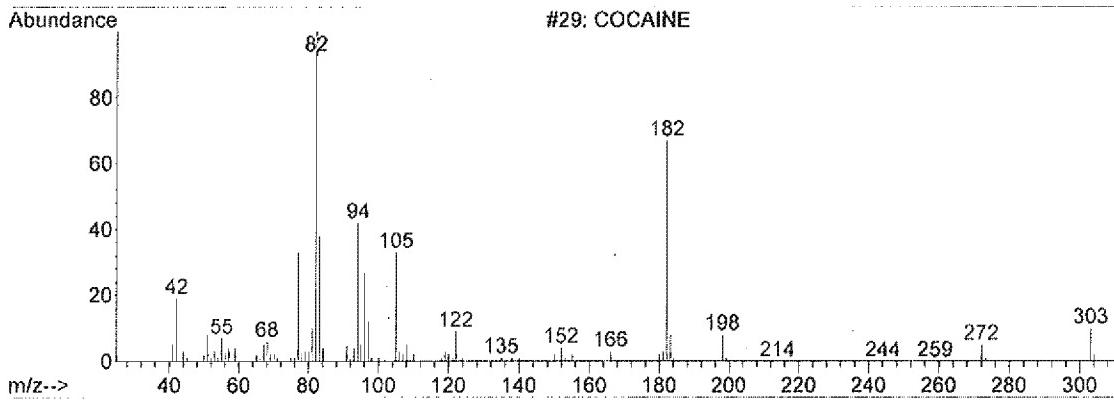
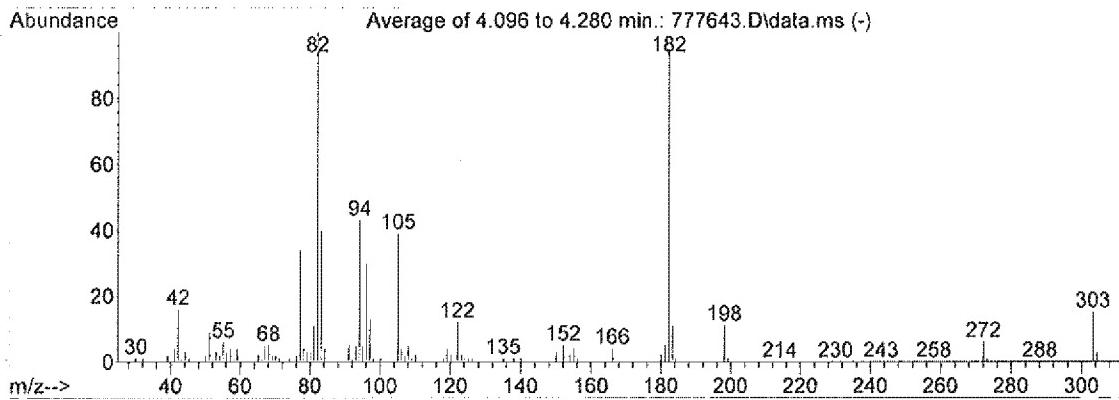


Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777643.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 43
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

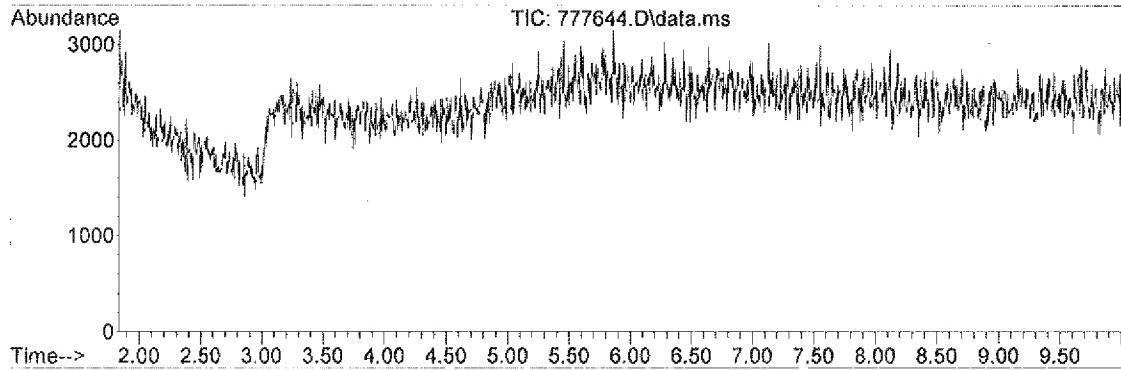
PK#	RT	Library/ID	CAS#	Qual
2	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777644.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:41
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

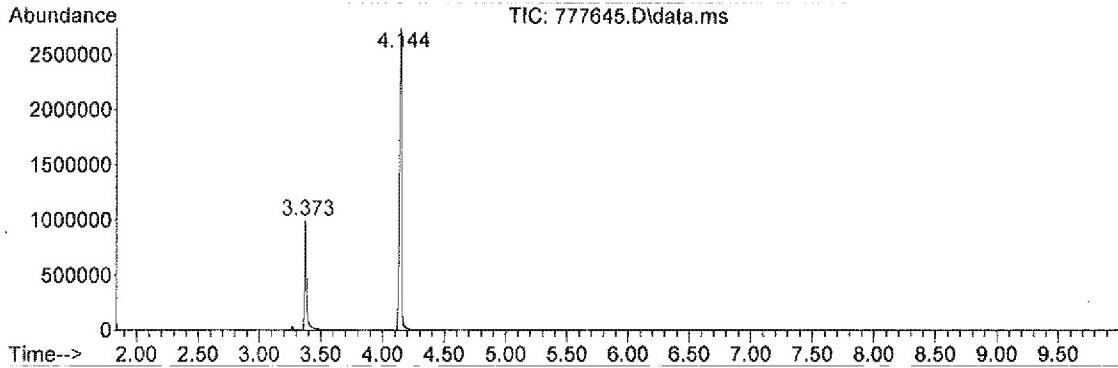


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777645.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:55
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 45
AcquisitionMeth: DRUGS.M
Integrator : RTE



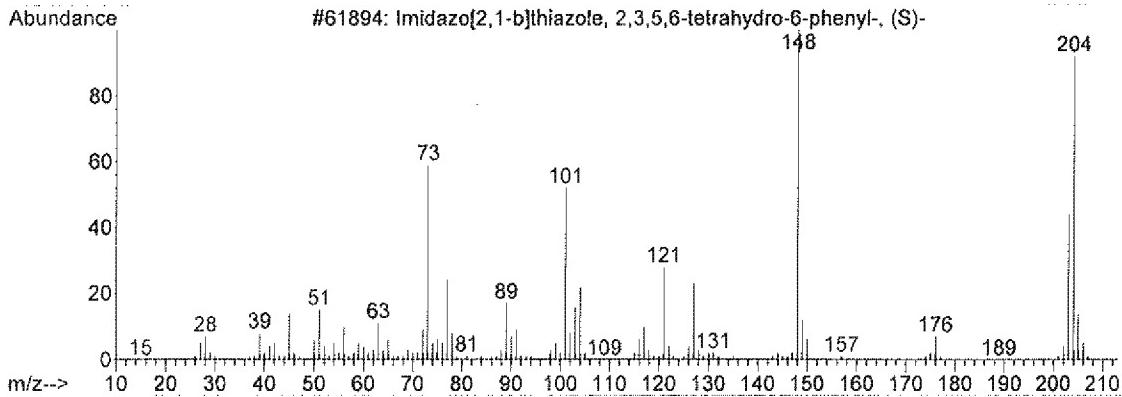
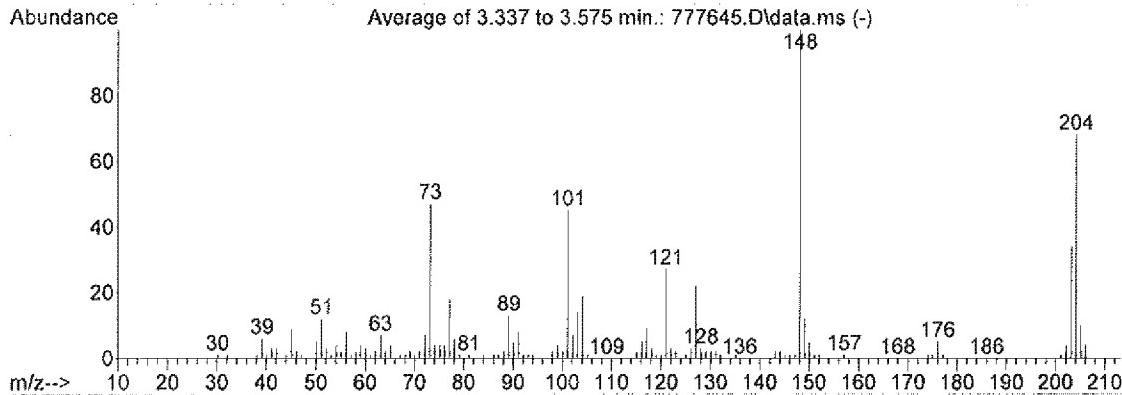
Ret. Time	Area	Area %	Ratio %
3.373	1187307	24.83	33.04
4.144	3593766	75.17	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777645.D
 Operator : ASD
 Date Acquired : 19 Mar 2011 23:55
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 45
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.37	C:\Database\NIST08.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	98

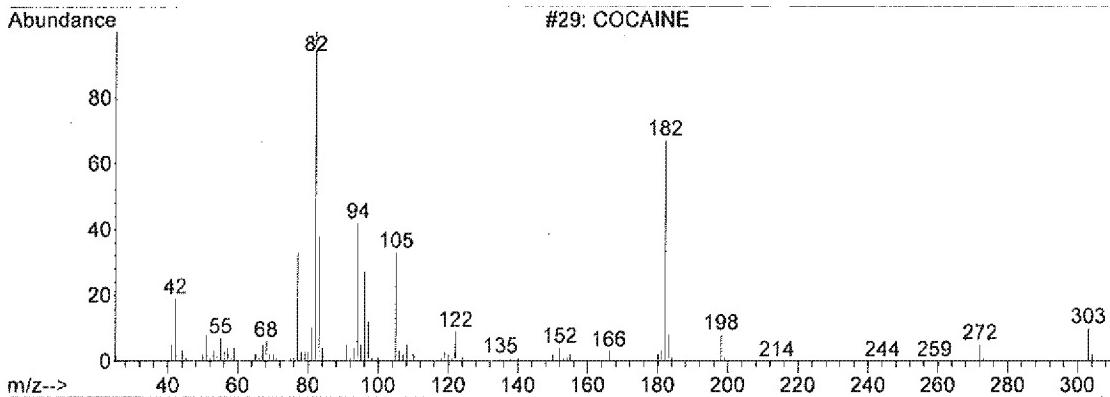
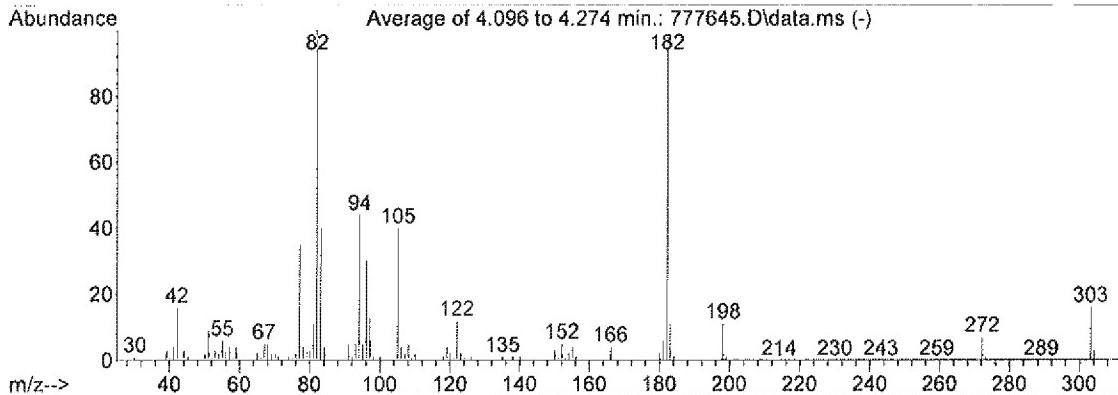


Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777645.D
Operator : ASD
Date Acquired : 19 Mar 2011 23:55
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 45
AcquisitionMeth: DRUGS.M
Integrator : RTE

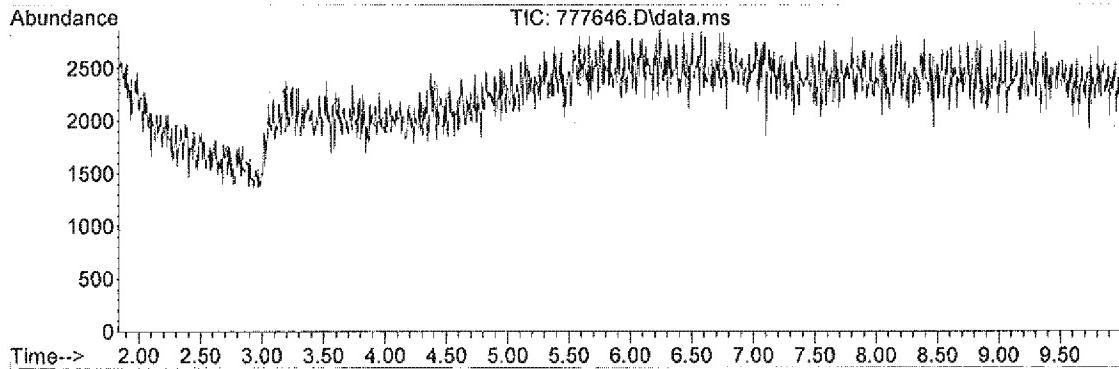
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777646.D
Operator : ASD
Date Acquired : 20 Mar 2011 00:08
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

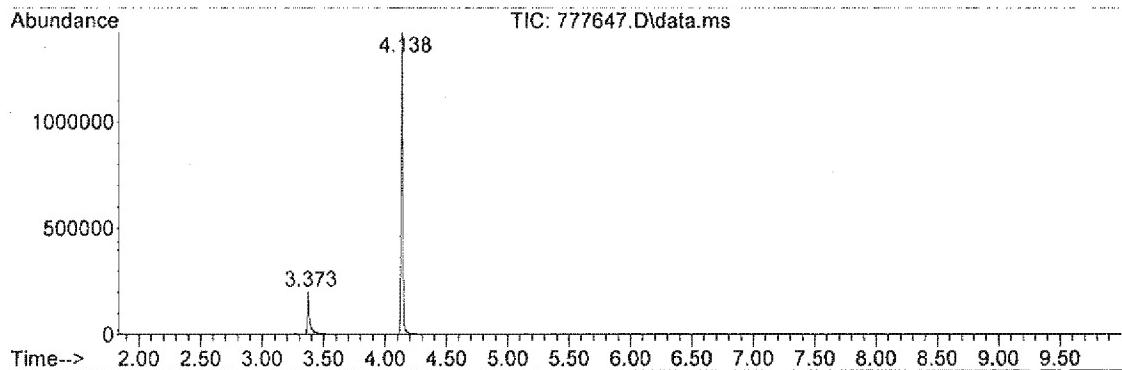


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777647.D
Operator : ASD
Date Acquired : 20 Mar 2011 00:21
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 47
AcquisitionMeth: DRUGS.M
Integrator : RTE



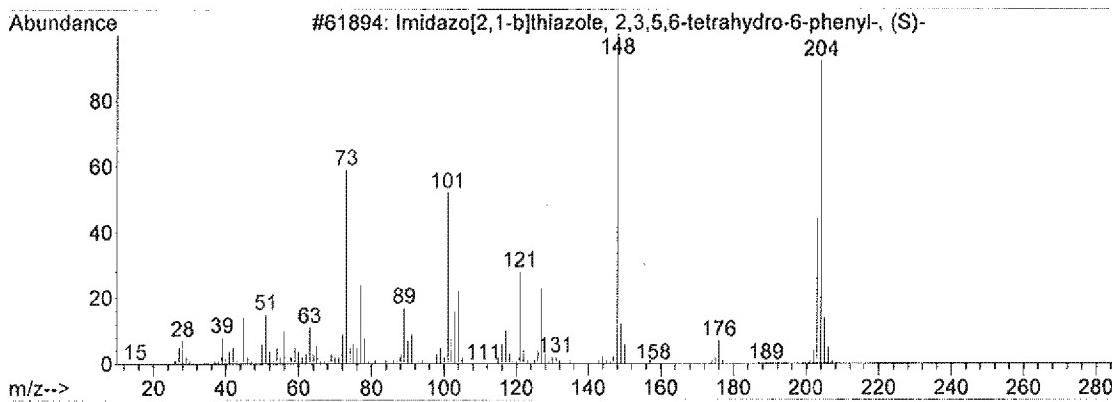
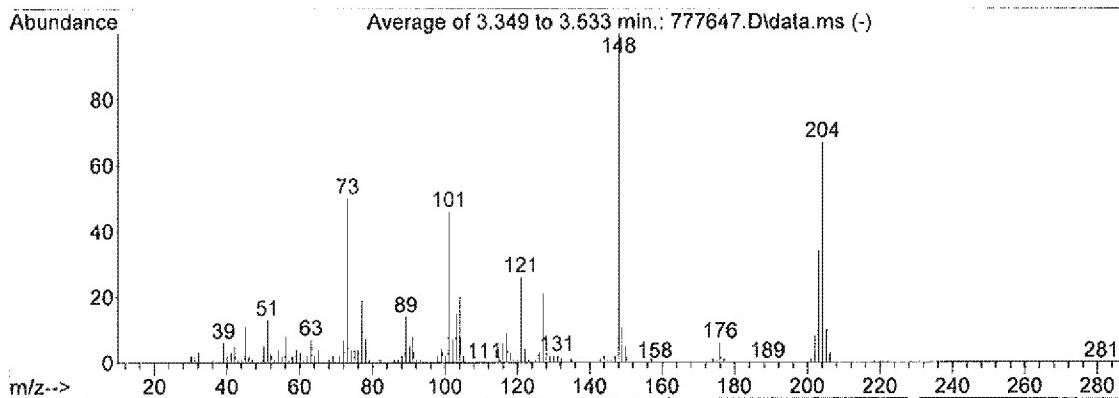
Ret. Time	Area	Area %	Ratio %
3.373	273848	16.46	19.70
4.138	1390017	83.54	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777647.D
Operator : ASD
Date Acquired : 20 Mar 2011 00:21
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 47
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.37	C:\Database\NIST08.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	98

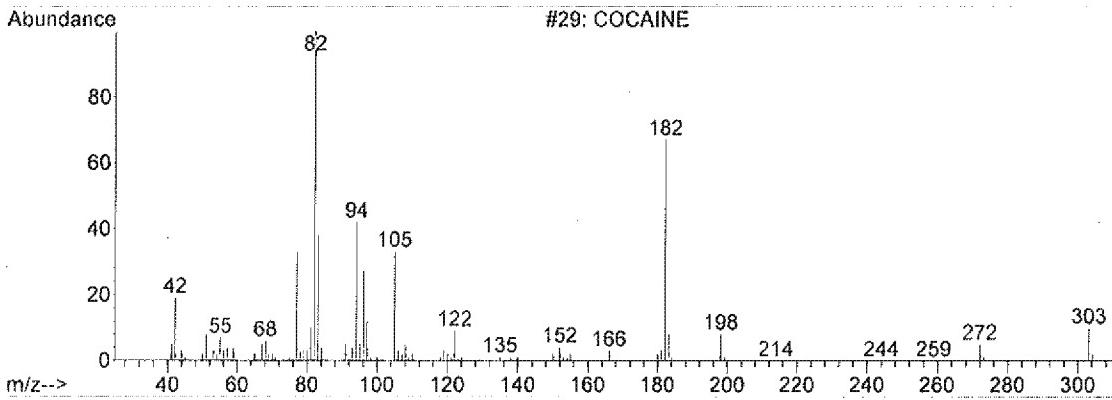
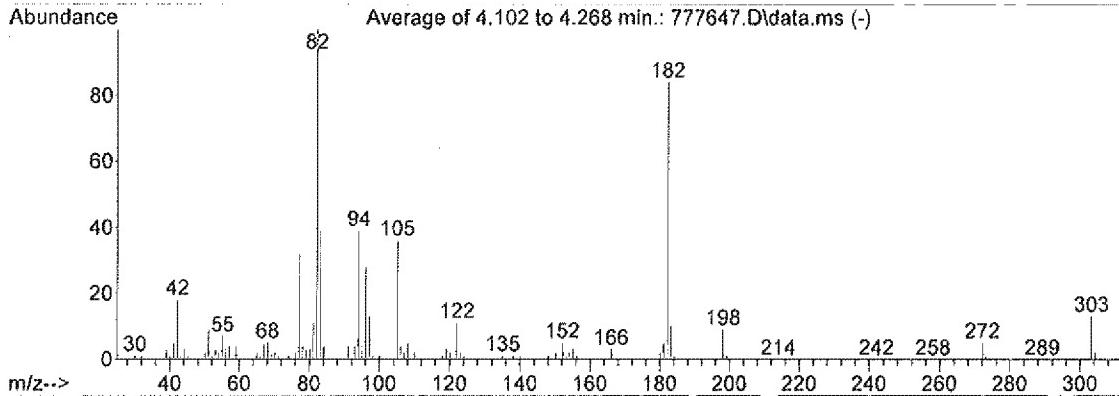


Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777647.D
Operator : ASD
Date Acquired : 20 Mar 2011 00:21
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 47
AcquisitionMeth: DRUGS.M
Integrator : RTE

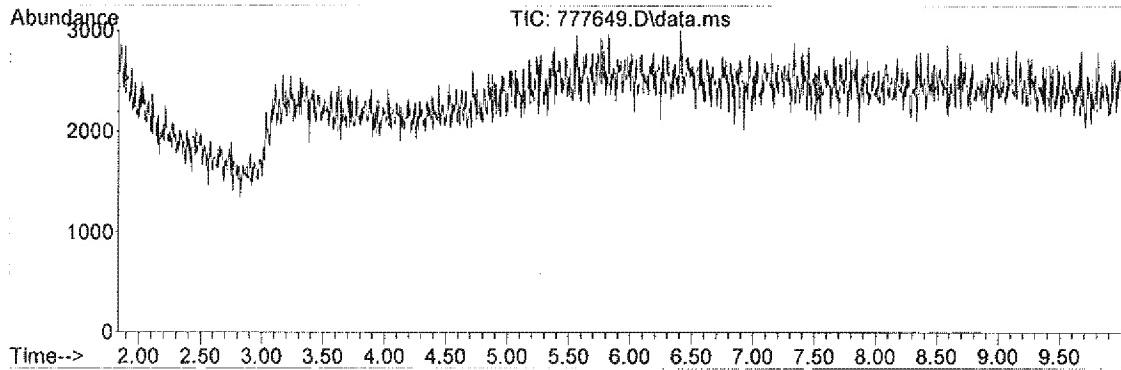
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777649.D
Operator : ASD
Date Acquired : 20 Mar 2011 00:47
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

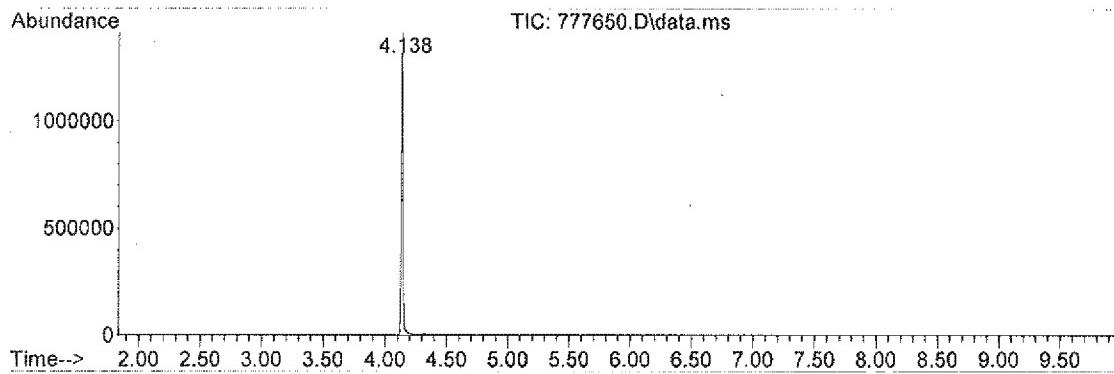


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777650.D
Operator : ASD
Date Acquired : 20 Mar 2011 1:00
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 27
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.138	1360768	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777650.D
Operator : ASD
Date Acquired : 20 Mar 2011 1:00
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 27
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99

